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## Model file name: Helix\_H2O\_sphere2.dae

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This is a teaching model of a space fill representation of a protein  $\alpha$ -helix (PDB: [3vio](#)). A space fill water molecule is also represented to illustrate the lack of space down the axis of an  $\alpha$ -helix. This model can accompany a corresponding [stick representation](#), a [kinked  \$\alpha\$ -helix](#), and a  [\$\beta\$ -sheet](#). This model is designed to accompany a teaching module illustrating protein secondary structure and function. The printable model is already uploaded to [Shapeways.com](#) in the [MacroMolecules](#) shop under the name "[Helix and Water \(Space-fill\)](#)". This model has been printed successfully using these parameters on Shapeways' binder jetting printer in the Coated Full Color Sandstone material.

